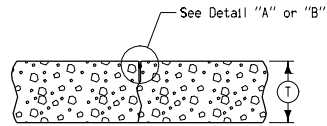
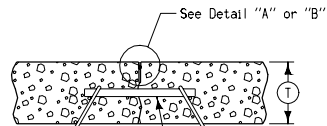


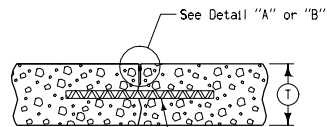
See Note ⑥
'B'
**PLAIN JOINT
FOR ABUTTING PAVEMENT SLABS**



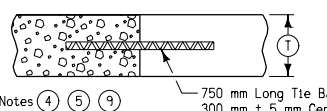
See Note ⑧
'C'
CONTRACTION JOINT



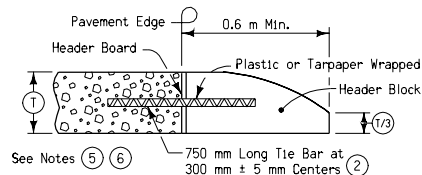
See Notes ① ⑤ ⑧
'CD'
DOWELED CONTRACTION JOINT



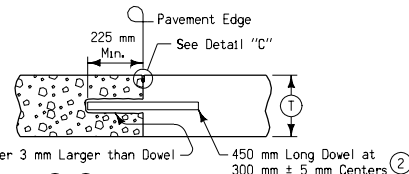
See Note ⑤
'CT'
TIED CONTRACTION JOINT



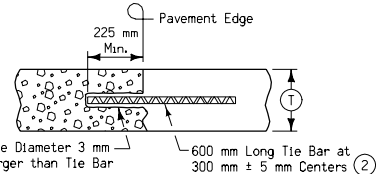
See Notes ④ ⑤ ⑨
'DW'
DAY'S WORK JOINT (Non-Working)



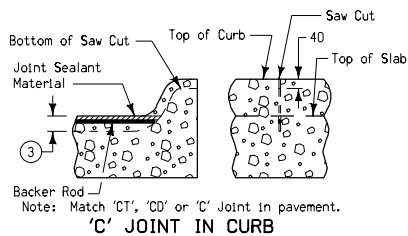
See Notes ⑤ ⑥
'HT'
**HEADER JOINT
(END RIGID PAVEMENT)**



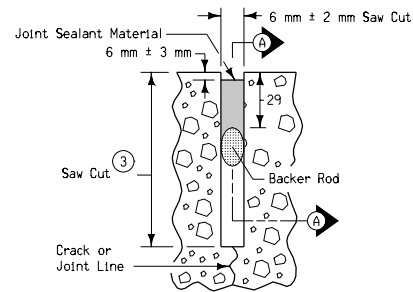
See Notes ⑤ ⑥
'RD'
ABUTTING PAVEMENT JOINT



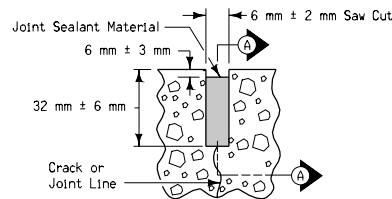
See Note ⑤
'RT'
**ABUTTING PAVEMENT JOINT
RIGID TIE**



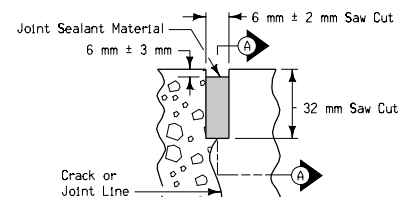
See Note ⑦
TYPICAL BAR PLACEMENT
Applies to all joints unless otherwise detailed.



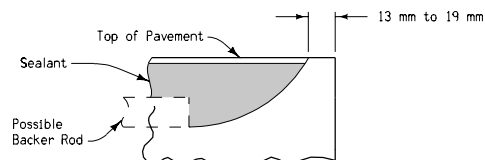
DETAIL "A"
(Sawcut formed by conventional concrete sawing equipment)



DETAIL "B"
(Sawcut formed by approved early concrete sawing equipment)



DETAIL "C"



SECTION A-A
DETAIL AT EDGE OF PAVEMENT

- ① Free moving ends of dowel support assembly shall be placed alternately across joints.
- ② Refer to Bar Size Table.
- ③ Depth of sawcut shall be T/3, except 'C' joint shall be T/4.
- ④ 'DW' joint shall be located at a midpanel location between future 'C' or 'CD' joints. It shall be no closer than 1.5 meters to a 'C' or 'CD' joint.
- ⑤ Bars in Transverse Joints shall be placed according to Standard Road Plan RH-58.
- ⑥ Edge with 5 millimeter tool for length of joint indicated if formed; edging not required when cut with diamond blade saw. Remove header block and board when second slab is poured.
- ⑦ When tying into old pavement, T represents the depth of sound Portland Cement Concrete.
- ⑧ Unless otherwise specified, transverse contraction joints in mainline pavement shall be 'CD' when T is greater or equal to 200 millimeters. 'C' when T is less than 200 millimeters.
- ⑨ 'RT' joint may be used in lieu of 'DW' joint at the end of the days work. Any pavement damaged due to the drilling shall be removed at the contractor's expense.

BAR SIZE TABLE			
T	< 200 mm	≥ 200 mm but < 250 mm	≥ 250 mm
Dowel Size	20	30	35
Tie Bar Size	#20	#30	#35

All dimensions given in millimeters unless noted.

M METRIC VERSION	Iowa Department of Transportation Highway Division	
	STANDARD ROAD PLAN	RH-50
	REVISION: Revise Circle Notes. Make Section A-A values metric.	REVISION NO. 14
	<i>William J. Stem</i> APPROVED BY DESIGN METHODS ENGINEER	REVISION DATE 04-20-04
	JOINTS (TRANSVERSE CONTRACTION)	